Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/07/2022 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124027	-1	4.67	124159	4.57
Blue	F	SSC	125000	125577	0	5.05	126294	4.95
Blue	E	FITC	13602	13123	-4	4.88	369	14.31
Blue	D	PE	24891	24212	-3	4.79	576	11.74
Blue	B	PerCP-Cy5-5	33972	32950	-4	5.49	942	15.93
Blue	A	PE-Cy7	22865	22499	-2	7.55	463	33.30
Red	C	APC	47198	46112	-3	4.18	1599	11.99
Red	A	APC-Cy7	26454	25440	-4	5.15	717	13.11
Violet	B	V450	6737	6356	-6	6.40 (1)	449	13.19
Violet	A	V500	29317	27986	-5	6.16	961	10.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23732	5.53	546	11	N/A	N/A	Pass
Blue	F	SSC	55399	4.63	524	3	N/A	N/A	Pass
Blue	E	FITC	54	58.52	492	8	0.0442	224	Pass
Blue	D	PE	111	41.82	495	9	0.3954	366	Pass
Blue	B	PerCP-Cy5-5	145	43.61	589	10	0.0189	86	Pass
Blue	A	PE-Cy7	75	86.72	635	14	0.0194	2	Pass
Red	C	APC	330	26.81	574	2	0.0279	218	Pass
Red	A	APC-Cy7	132	36.72	552	1	0.0064	1727	Pass
Violet	B	V450	76	50.12	450	0	0.0479	2282	Pass
Violet	A	V500	112	31.36	470	1	0.0236	676	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.87	-31.43	1.08
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.50	13.90 - 20.86	N/A	N/A	29.75	30.13	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12178

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments